Upgrading to Microsoft Windows Server 2003 with Service Pack 1 on ProLiant servers

integration note

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Abstract

This integration note provides system engineers and network administrators with tested information to upgrade successfully from Microsoft® Windows NT® 4.0 and Microsoft® Windows® 2000 to Microsoft® Windows® Server 2003 with Microsoft Service Pack 1 (SP1) applied on HP ProLiant servers. This document includes information on planning, preparing, and upgrading their existing operating system to Windows Server 2003 with SP1 applied.

The focus of this document does not include installing new installations of Windows Server 2003 SP1. For information of this nature, refer to the integration note titled "Implementing Microsoft Windows Server 2003 with Service Pack 1 on ProLiant servers." This document and others pertaining to Windows Server 2003 can be found on the HP Windows Server 2003 website at http://h71028.www7.hp.com/enterprise/cache/8193-0-0-0-121.aspx.

Planning the upgrade

Microsoft Windows Server 2003 is a Windows operating system that takes the best of Windows Server 2000 technology and makes it easier for you to deploy, manage, and use. In 2005, Microsoft delivered Windows Server 2003 Service Pack 1 (SP1) to enhance security, increase reliability, and simplify administration of Windows Server 2003. Windows Server 2003 SP1 provides refinements and supplies cumulative system patches to Windows Server 2003. Additional reasons to upgrade to Windows Server 2003 SP1 can be found at the following location: www.microsoft.com/windowsserver2003/downloads/servicepacks/sp1/top10reasons.mspx.

To effectively plan for the change, you need to understand the differences between your current configuration and your Windows Server 2003 SP1 configuration. Moving from Windows NT 4.0, DNS becomes the primary method of name resolution and your network administration becomes much more granular and localized. It might seem extremely complex at first, but good planning eliminates much of the difficulty.

To effectively plan for these changes, find and update your network map to determine how and why your network looks as it does. What domains do you have and why? Does the structure work internally? What changes could make network use easier? Will certain changes make your network administrators more efficient? What are your security needs? What are your bandwidth needs?

How do you use or plan to use the Internet within your organization?

Look at the entire network infrastructure to establish what improvements should be made before the upgrade begins. Look at your current applications and determine if they will operate in a Windows Server 2003 SP1 environment or if you need an upgrade or replacement. How are the applications used? Which groups use them? Will this make a difference in your network structure? Are there similar applications in use elsewhere in your organization that are more likely to be compatible with Windows Server 2003 SP1? Take time to investigate Windows Server 2003 SP1, your hardware, and your applications.

NOTE:
Microsoft developed the Application Compatibility Toolkit to help users determine which applications in their environments support Windows Server 2003 SP1. You can obtain the associated white paper and download the utility from the Microsoft website at www.microsoft.com/windowsserver2003/compatible/appcompat.mspx.

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Establish functianal teams with experts in directary services, administratian and management, care aperating system (OS), netwarking, applicatians, and hardware campatibility. Have these teams evaluate Windaws Server 2003 SP1. Plan an faur ta six manths ta carrectly plan yaur upgrade strategy. Make clear assignments and verify pragress alang the way. The planning pracess far a praject af this scape is a critical piece in its success.

Fix any prablems in yaur Windaws NT 4.0 and/ar Windaws 2000 enviranment and verify that yaur Windaws Internet Naming Service (WINS) warks praperly. WINS will be necessary an yaur system until all clients are Active Directary aware. Identify the resaurce damains ta be callapsed inta the Active Directary damain structure, and check far duplicate names acrass the entire netwark. Audit yaur security enviranment and determine haw glabal graups can help with the upgrade pracess.

Understand the Micrasaft supparted upgrade paths far maving ta Windaws Server 2003 SP1 fram Windaws 2000 ar Windaws NT 4.0 as seen in Table 1.

Table 1. Supported upgrade paths

Current server aperating system		Upgraded server aperating system		Applied service pack
Windows 2000 Server	→	Windows Server 2003, Standard Edition	→	Service Pack 1
Windows 2000 Advanced Server	→	Windows Server 2003, Enterprise Edition	→	Service Pack 1
Windows 2000 Datacenter Server	→	Windows Server 2003, Datacenter Edition	→	Service Pack 1
Windows NT 4.0 Server	→	Windows Server 2003, Standard Edition	→	Service Pack 1
Windows NT 4.0 Enterprise Server	→	Windows Server 2003, Enterprise Edition	→	Service Pack 1

IMPORTANT:
You must move to an equivalent or higher operating system during the upgrade. Downgrading to a less powerful operating system is not recommended.

Once yau decide where yau are, haw yau gat there, and what is available, determine where yau want ta be and haw ta get there. Wha will upgrade first? Haw will yau determine when the next graup is ready ta upgrade? What security issues are mast impartant? Haw lang can yau allaw far the full upgrade? Develap a raadmap with clearly defined actian pragrams ta make sure yau have a strategy that can wark. Yaur strategy shauld include checking the HP Windaws Server 2003 website an a regular basis far new infarmatian. HP Services can help yau plan yaur upgrade ta Windaws Server 2003 SP1.

Reasans ta upgrade ar ta perfarm a new installatian and ather useful planning resaurces are available at the fallawing areas af the Micrasaft website:

- Far existing Windaws 2000 enviranments: www.micrasaft.cam/windawsserver2003/evaluatian/whyupgrade/win2k/w2ktaws03-2.mspx
- Far existing Windaws NT 4.0 enviranments: www.micrasaft.cam/windawsserver2003/evaluatian/whyupgrade/nt4/default.mspx

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Preparing for the upgrade

To prepare for a successful upgrade, it is important to ensure that your server meets the system configuration and supported platform requirements and you have all of the software and tools necessary to complete the tasks at hand. The following sections provide guidelines to help prepare you for this endeavor.

Recommended system configuration

Table 2 lists the recommended minimum system configuration established by Microsoft for Windows Server 2003. Service Pack 1 does not change the minimum system configuration established by Microsoft. Make sure that your server meets the requirements of the Windows Server 2003 edition you are upgrading to and that it is one of the servers listed in Appendix A: supported servers of this document.

The recommendations listed here pertain to the Windows Server 2003 operating system only and do not include the requirements for software applications that run on your system. Please check your application requirements to make certain your system can run both the operating system and your software. Most software vendors have this information posted to their website.

Table 2. Recommended minimum system configuration[2]

Parameter	Web Edition	Standard Edition	Enterprise Edition
Processor	550 MHz	550 MHz	733 MHz
RAM	256 MB	256 MB	256 MB
Monitor	VGA or higher resolution	VGA or higher resolution	VGA or higher resolution
Available disk space[1]	1.5 GB	1.5 GB	1.5 GB

Note 1: Available disk space refers to free disk space on the partition to contain the system files. Additional space is required if you copy the Windows Server 2003 CD contents to the hard disk during installation.

Note 2: For the latest system requirements for each edition of the Windows Server 2003 family, visit www.microsoft.com/windowsserver2003/evaluation/sysreqs/default.mspx.

Upgrade checklist

Before you begin the upgrade, ensure that you have access to the support software and other tools detailed in Table 3.

Table 3. Checklist

☑	Description	Comments	Location
☐	Options ROMPaq	By option	http://h18007.www1.hp.com/support/files/server/us/index.html
☐	SmartStart CD	Release 7.30 or later	www.hp.com/servers/smartstart
☐	ProLiant Support Pack for Microsoft Windows Server 2003	Version 7.30A	http://h18023.www1.hp.com/support/files/server/us/locate/3376.html
☐	System Configuration Utility	Provided on the SmartStart for Servers CD Release 5.50	http://h18023.www1.hp.com/support/files/server/us/locate/1950.html

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☑	Description	Comments	Location
		(or earlier) and on the HP website	
☐	System ROMPaq	By server	http://h18023.www1.hp.com/support/files/server/us/romtabl.html
☐	HP Smart Array Multipath Software Version 2.0	For customers with multipath hardware	www.hp.com/products/sharedstorage
☐	HP Windows Server 2003 website	For the latest information	http://h71028.www7.hp.com/enterprise/cache/8193-0-0-0-121.aspx
☐	Internet access	For system updates	
☐	Minimum requirements met		See the "Recommended system configuration" section.
☐	Platforms supported		See Appendix A: supported servers.
☐	Sufficient backup media	Enough for a full backup and in excellent condition	
☐	Windows 2000 Primer Utility	Erases non-compatible ProLiant utilities	http://h18023.www1.hp.com/support/files/server/us/download/10776.html
☐	Windows Server 2003 SP1		See the "Planning the upgrade" section for the upgrade path requirements before trying to upgrade to Windows Server 2003 SP1.
☐	Windows Server 2003 support on third-party hardware	For hardware supported	www.microsoft.com/hcl/default.asp

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Upgrading from Windows NT 4.0

The procedures detailed in this section support upgrading from Windows NT 4.0 to Windows Server 2003 SP1 on ProLiant servers. Follow the prerequisites and choose either of the installation paths to complete the upgrade: (1) manual install or (2) unattended/scripted install.

During a manual upgrade from Window NT 4.0, there are five drivers that produce a warning (cpqcisse, cpqdaen, cpqfcac, prlntss and cpqfcftr), if installed. With an unattended/scripted install, these warnings do not stop or hinder the upgrade.

Prerequisites

Follow the steps below to prepare for a successful upgrade.

1. Select a supported system platform from the server platforms listed in Appendix A: supported servers.
2. Download the Primer Utility from the following website: http://h18023.www1.hp.com/support/files/server/us/download/10776.html. The Primer Utility removes previously installed utilities not supported under Windows 2000 or Windows Server 2003.
3. Extract the file on the system that you want to upgrade.
4. Read the Help file if you have any questions regarding this utility.
5. Execute PRIMER.EXE to run this utility. Then, reboot the server.
6. Use the ROM-Based Setup Utility (RBSU) or the System Configuration Utility to set the OS to **Microsoft Windows 2000/Windows Server 2003**.
7. Choose either of the following installation paths and proceed to the associated section to complete the upgrade:
   - Manual install
   - Unattended/scripted install

Manual install

After completing the tasks identified in the prerequisites section, continue the upgrade, as follows, to perform a manual install:

1. Insert the Windows Server 2003 with Service Pack 1 CD and start the upgrade within the Windows NT 4.0 operating system.

   CAUTION:
   If you boot from the Windows Server 2003 with Service Pock 1 CD, the CD will perform o cleon instoll, not on upgrode.

2. Accept the End User License agreement and enter the license key provided by Microsoft.
3. Click **Next** and the installation will continue.
4. After Windows Server 2003 with Service Pack 1 has been installed, install the Simple Network Management Protocol (SNMP), if you want to use the functionality of the ProLiant Management Agents.
   - Select the **Control Panel** from the Start menu.
   - Select **Add/Remove Programs**.

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- Click the **Add/Remove Windows Components** buttan.
- Select **Management and Monitoring Tools** fram the list af campanents.
- Click the **Details** buttan.
- Select **Simple Network Management Protocol** sa that a checkmark is displayed in the checkbax.
- Click the **OK** buttan and then the **Next** buttan.
- Click the **Finish** buttan.

5. Dawnlaad and install the latest PraLiant Suppart Pack (PSP) fram HP website: http://h18023.www1.hp.cam/suppart/files/server/us/lacate/3376.html.

Unattended/scripted install

After campleting the tasks identified in the prerequisites sectian, far an unattended install, create an answer file (UNATTEND.TXT) and a distributian paint (I386 falder) where yau can save all the necessary files far installatian.

Micrasaft affers a utility, SETUPMGR.EXE that allaws yau ta create an answer file and helps yau set up a distributian paint. Far additianal infarmatian, refer ta the fallawing Micrasaft dacument: HOW TO: Use Setup Manager ta Create an Answer File in the Windaws Server Family (Q323438).

CAUTION:

Make sure you add the following line in the unattended section of the UNATTEND.TXT file.

```
[UNATTENDED]
NtUpgrade=Yes
```

If you do not add this line, then Setup will continue with a fresh install, not an upgrade.

CAUTION:
If you are using the OEMPreinstall flag with the UNATTEND.TXT file, remove the following:

```
[UNATTENDED]
OEMPREINSTALL=YES
```

Upgrades may fail if the OEMPREINSTALL=YES option is enabled.

Depending an the requirement far the applicatians being installed, a system administratar can write a very detailed script file ta perfarm many tasks. In aur scenaria, HP engineers created twa batch files that perfarmed a fully autamated upgrade by perfarming the fallawing steps:

1. Allaw administratar ta lag an withaut entering the password.
2. Launch the upgrade (WINNT32.EXE) fram the distributian paint/server.
3. Pravide the license key pravided by Micrasaft and ather necessary infarmatian until the installatian campletes.

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4. If you want to use the functionality of the ProLiant Management Agents, install the Simple Network Management Protocol (SNMP) as follows:
   - Select the **Control Panel** from the Start menu.
   - Select **Add/Remove Programs**.
   - Click the **Add/Remove Windows Components** button.
   - Select **Management and Monitoring Tools** from the list of components.
   - Click the **Details** button.
   - Select **Simple Network Management Protocol** so that a checkmark is displayed in the checkbox.
   - Click the **OK** button and then the **Next** button.
   - Click the **Finish** button.
5. Download and install the latest ProLiant Support Pack (PSP) from HP website: http://h18023.www1.hp.com/support/files/server/us/locate/3376.html.

Upgrading from Windows 2000

The procedures detailed in this section support upgrading from Windows 2000 to Windows Server 2003 with Service Pack 1 on ProLiant servers.

When upgrading from Windows 2000 with NIC teaming installed and active, an issue with a .DLL file that halts the manual install exists. This issue is not seen during an unattended/scripted install.

Prerequisites

Follow the steps below to prepare for a successful upgrade.

1. Select a supported system platform from the server platforms listed in appendix a.
2. Double-click on My Computer, then select Help from the menu bar and click on the About Windows option. Verify whether the system has the latest Microsoft Service Pack installed. If this is not the case, download the latest service pack from the Microsoft website (www.microsoft.com/windows2000/downloads/servicepacks/sp4/default.asp) and install it on your server. This action ensures that the server has the latest software components Microsoft supplied prior to the upgrade.
3. Download and install ProLiant Support Pack for Microsoft Windows 2000 Version 7.30A from the software and drivers website at http://h18023.www1.hp.com/support/files/server/us/locate/1989.html. This action ensures that all drivers and utilities provided by HP are suitable for upgrading to Windows Server 2003.

IMPORTANT:
Failure to update drivers provided by HP before beginning the upgrade process might result in unexpected failures during the upgrade to Windows Server 2003.

4. If Compaq Network Teaming is installed, unteam currently teamed network interface controllers prior to the upgrade.
5. If installed, uninstall HP Smart Array Multipath Software Version 1.0 before proceeding with either upgrade method.
   - Select the **Control Panel** from the Start | Settings menu.

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- Select **Add/Remove Programs**.
- Select **Compaq Smart Array Redundancy Filter Driver** from the list of components.
- Click the **Change/Remove** button.
- Click the **OK** button.
- Click the **Cancel** button.
- Shut down the server.
- Disconnect the SCSI coble from the redundont Host Bus Adopter (HBA).

6. Choose either of the following instollotion poths ond proceed to the ossocioted section to complete the upgrode:
   - Monuol instoll
   - Unottended/scripted instoll

Manual install

After completing the tosks identified in the prerequisites section, continue the upgrode, os follows, to perform o monuol instoll:

1. Insert the Windows Server 2003 with Service Pock 1 CD into CD-ROM drive to begin instollotion. Follow oll instructions for upgroding the server.
2. When prompted, choose to downlood updoted setup files from Microsoft.

   You will then get two yellow bongs (which is expected ond should not holt the upgrode from going forword). One messoge tells you thot Internet Informotion Services (IIS) is going to be disobled during the upgrode, ond the other messoge is for the Fox service.

   The upgrode proceeds through copying the instoll files, ond then reboots the server. The instoll continues smoothly through the following phoses: preporing instollotion, instolling Windows, ond instolling devices.

   If you hove Compoq Network Teoming instolled, see the informotion below:

   - During the Instolling Network phose, the instollotion stops (opproximotely with 32 minutes left of the instoll to complete) ond o diolog pops up specifying Insert Disk (see octuol messoge below).

     Pleose insert the compoct Disk lobeled 'Compoq Network Teoming Disk' into your CD-ROM ond then click 'OK'.

   - When diolog pops up, click Concel for the instollotion to proceed. After this point, the instollotion proceeds uninterrupted until it is complete.

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3. Install ProLiant Support Pack (PSP) for Microsoft Windows Server 2003 Version 7.30A (or later), which is available at http://h18023.www1.hp.com/support/files/server/us/locate/3376.html. The PSP contains numerous files. All files must be present in the same directory as the SETUP.EXE program for the PSP to be installed properly.

NOTE:
During the PSP installation, the HP ProLiant Network Teaming and Configuration for Windows Server 2003 utility will be installed. Use this utility to reteam your network interface controllers if you were previously using network teaming.

4. If HP Smart Array MultiPath Software Version 1.0 was uninstalled prior to the upgrade, install HP Smart Array MultiPath Software Version 2.0. Then, reconnect the SCSI cable to the redundant HBA.

Unattended/scripted install

After completing the tasks identified in the prerequisites section, continue the upgrade, as instructed below to perform an unattended/scripted install:

1. Using SETUPMGR.EXE, create a distribution on a remote server (or any server that does not contain the OS being upgraded). The SETUPMGR.EXE program can be found in \support\tools\deploy.cab of the Windows Server 2003 SP1 CD.
2. Choose Completely Unattended Install and proceed through the Setup Wizard until it completes.
   - Add the following in the [UNATTENDED] section of the UNATTEND.TXT file:

```
[UNATTENDED]

NTUpgrade=Yes
```

CAUTION:
The UNATTEND.TXT file created must be modified to allow unattended upgrade installs. If you do not put the string specified above into the file, the install will automatically default to a clean install.

   - If you are using the OEMPreinstall flag with the UNATTEND.TXT file, remove the following:

```
[UNATTENDED]

OEMPREINSTALL=YES
```

NOTE:
Upgrades may fail if the OEMPREINSTALL=YES option is enabled.

3. Start the unattended upgrade. Copy the UNATTEND.TXT file and UNATTEND.BAT file created in steps 1 and 2 to the server you are planning to upgrade.

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NOTE:
Upgrades may fail if the OEMPREINSTALL=YES aptian is enabled.

4. Verify that yau have netwark cannectivity sa that yau can run and install the files aff the netwark. Alsa, verify that yau have the carrect privileges ta run fram the Windist falder. (This shauld have been canfigured when yau ran SETUPMGR.EXE, but shauld be verified.)
5. Execute UNATTEND.BAT lacally. There will be a brief pause, but then the graphical user interface (GUI) shauld run and praceed with na interruptians if everything was set carrectly when yau ran the SETUPMGR.EXE file and madified the UNATTEND.TXT file. The server shauld rebaat ance.
6. Pay clase attentian ta the BOOT.INI aptians that pap up. Verify that the installatian is perfarming an upgrade and nat a clean install at this paint.
7. After the upgrade has campleted and yau are lagged inta Windaws Server 2003, install Versian 7.30A af the PraLiant Suppart Pack (PSP) far Micrasaft Windaws Server 2003, which is available at http://h18023.www1.hp.cam/suppart/files/server/us/lacate/3376.html. The PSP cantains numeraus files. Far the PSP ta be installed praperly, all files must be present in the same directary as the SETUP.EXE pragram.
8. If HP Smart Array MultiPath Saftware Versian 1.0 was uninstalled priar ta the upgrade, install HP Smart Array MultiPath Saftware Versian 2.0. Then, recannect the SCSI cable ta the redundant HBA.

Appendix A: supported servers

All PraLiant servers with Pentium III and Pentium III Xean and later pracessars are supparted and will be qualified by HP with Windaws Server 2003 SP1. This includes all PraLiant ML, DL, and BL server madels.

Fram the fallawing families, anly select legacy servers that meet the Pentium III and Pentium III Xean and later pracessars criteria are supparted.

- PraLiant 3000
- PraLiant 5500
- PraLiant 6000
- PraLiant 6400r
- PraLiant 6500
- PraLiant 7000
- PraLiant 8000
- PraLiant 8500

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Appendix B: known issues and workarounds

This section details the known issues with installing Windows Server 2003 SP1 on ProLiant servers and provides information about resolving them.

Table 4. Known issues

Issue 1	**A Windows 2000 manual upgrade to Windows Server 2003 prompts message reporting the need for CPQTEAM.DLL.**	
	Description	While manually upgrading to Windows Server 2003 from Windows 2000 Server, a message pops up informing the user that CPQTEAM.DLL is needed.
	Workaround	To continue with the upgrade, select Cancel on the popup message. After Windows Server 2003 has been installed, install the ProLiant Support Pack for Microsoft Windows Server 2003.
	Solution	HP engineers are working with Microsoft to resolve this issue.
Issue 2	**HP Smart Array Multipath Software Version 1.0 is not compatible with Windows Server 2003.**	
	Description	HP Smart Array Multipath Software Version 1.0 must be uninstalled prior to upgrading to Windows Server 2003 to avoid incompatibility issues.
	Solution	Uninstall HP Smart Array Multipath Software Version 1.0 prior to the OS upgrade. Once the Windows Server 2003 upgrade and the ProLiant Support Pack installation are complete, install HP Smart Array Multipath Software Version 2.0 (or later).
Issue 3	**Software fault tolerant volumes (dynamic disks) fail during driver upgrade or rollback.**	
	Description	When a device driver is updated for a device containing dynamic disks, the software fault tolerant volumes located on these dynamic disks will fail and will require regeneration.
	Workaround	No workaround is available at this time.
	Solution	Scheduled to be fixed in a later Microsoft operating system release.
Issue 4	**Upgrading miniport driver for secondary device requires reboot.**	
	Description	When a device driver for a secondary device is updated, the Windows Server 2003 operating system may request a reboot.
	Workaround	Reboot the server as prompted.
	Solution	Scheduled to be fixed in a later Microsoft operating system release.
Issue 5	**Startup and Recovery Server options revert back to default settings after an upgrade.**	
	Description	Startup and Recovery Server options modified from default settings will automatically revert back to the default settings after upgrading from Windows 2000 Advanced Server to Windows Server 2003, Enterprise Edition (see the following scenarios for sample setting modifications). Scenario 1 • Options = automatically restart • Default setting = enabled • Modified setting before upgrade = disabled • Setting after upgrade = enabled

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		Scenario 2 • Options = writing debugging information • Default setting = complete memory dump • Modified setting before upgrade = small memory dump (64 KB) • Setting after upgrade = complete memory dump
	Solution	This operating system feature works as designed.
Issue 6	**ProLiont Advonced System Monogement Controller Driver for Microsoft Windows Server 2003 (CPQASM.SYS) will not lood on the ProLiont 3000, SS00, or 6S00.**	
	Description	The ProLiant Advanced System Management Controller Driver for Microsoft Windows Server 2003 (CPQASM.SYS) will not load on the ProLiant 3000, 5500, or 6500. The Windows Server 2003 version of this driver depends on ACPI support, and these ProLiant models do not support ACPI. Other components that depend on this driver may fail to load or may not provide full functionality. The following message will be displayed in CPQSETUP.LOG after the driver is installed: Name: hp ProLiant Advanced System Management Controller Driver for Windows Server 2003 New Version: 5.30.3718.0 Beginning Silent Session... The software is not installed on this system, but is supported for installation. - the component will be installed Installation failed on at least one device. One of the devices may have been deleted through Device Manager and a reboot may be necessary to complete the driver installation for this device. The operation was not successful. Opening Device Manager will show a "yellow bang" on the HP ProLiant Advanced System Management Controller. Examining the properties for this device will show the following message: Windows cannot load the device driver for this hardware. The driver may be corrupted or missing. (Code 39)
	Solution	This issue is resolved in Version 5.36.0.0 or later of the ProLiant Advanced System Management Controller Driver for Windows 2000/Server 2003. This version of the driver will automatically check for ACPI support and install the appropriate driver. Install Version 7.30A of the ProLiant Support Pack for Microsoft Windows Server 2003.

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Issue 7	**ProLiant servers running the iLO Advanced and Enhanced System Management Contraller Driver (CPQASM2.SYS) may stop respanding during an upgrade from Windaws 2000 to Windaws Server 2003.**	
	Descriptian	During an upgrade from Microsoft Windows 2000 (any edition) to Microsoft Windows Server 2003 (any edition), ProLiant servers running the iLO Advanced and Enhanced System Management Controller Driver (CPQASM2.SYS) may stop responding when the system has 34 minutes or less remaining in the upgrade process. This is caused by Windows stopping and restarting this driver during the upgrade. If Version 5.33.2195.0 or earlier of the CPQASM2.SYS driver is installed, the following Authenticode security alert will be displayed: *Security Alert Driver Installation* *The driver software you are installing for HP ProLiant iLO Advanced System Management Controller has not been properly signed with Authenticode (tm) technology. Therefore, Windows cannot tell if the software has been modified since it was published.....* *Do you still want to install this driver software?* *Yes or No* If "Yes" is entered to install the driver, the system may stop responding. The Authenticode security alert occurs because the Windows 2000 version of the iLO Advanced and Enhanced System Management Controller Driver (CPQASM2.SYS) is digitally signed for Windows 2000 only. The Windows Server 2003 version of the driver is signed for Windows Server 2003 only. If Version 5.35.0.0 of the CPQASM2.SYS driver is installed, the Authenticode security alert will not be displayed, since version of the driver is signed for both Windows 2000 and Windows Server 2003. The system may hang at the same point in the upgrade process. For more details regarding the scope of this issue refer to the customer advisory posted at http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=PSD_EM050127_CW01.
	Salutian	This issue is resolved in Version 5.36.0.0 or later of the iLO Advanced and Enhanced System Management Controller Driver (CPQASM2.SYS). Prior to starting the OS upgrade, install Version 7.30A of the ProLiant Support Pack for Microsoft Windows Server 2003.

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For more information

For additional information, refer to the resources detailed below.

Table 5. Web resources

Resource description	Web address
HP and Microsoft Frontline Partnership website	www.hp.com/go/microsoft
Microsoft website	www.microsoft.com
Microsoft Windows Server 2003 TechCenter: *Learn About and Install Windows Server 2003 Service Pack 1 (SP1)*	www.microsoft.com/technet/prodtechnol/windowsserver2003/servicepack/default.mspx

Call to action

To help us better understand and meet your needs for ISS technology information, please send comments about this paper to: TechCom@HP.com.

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